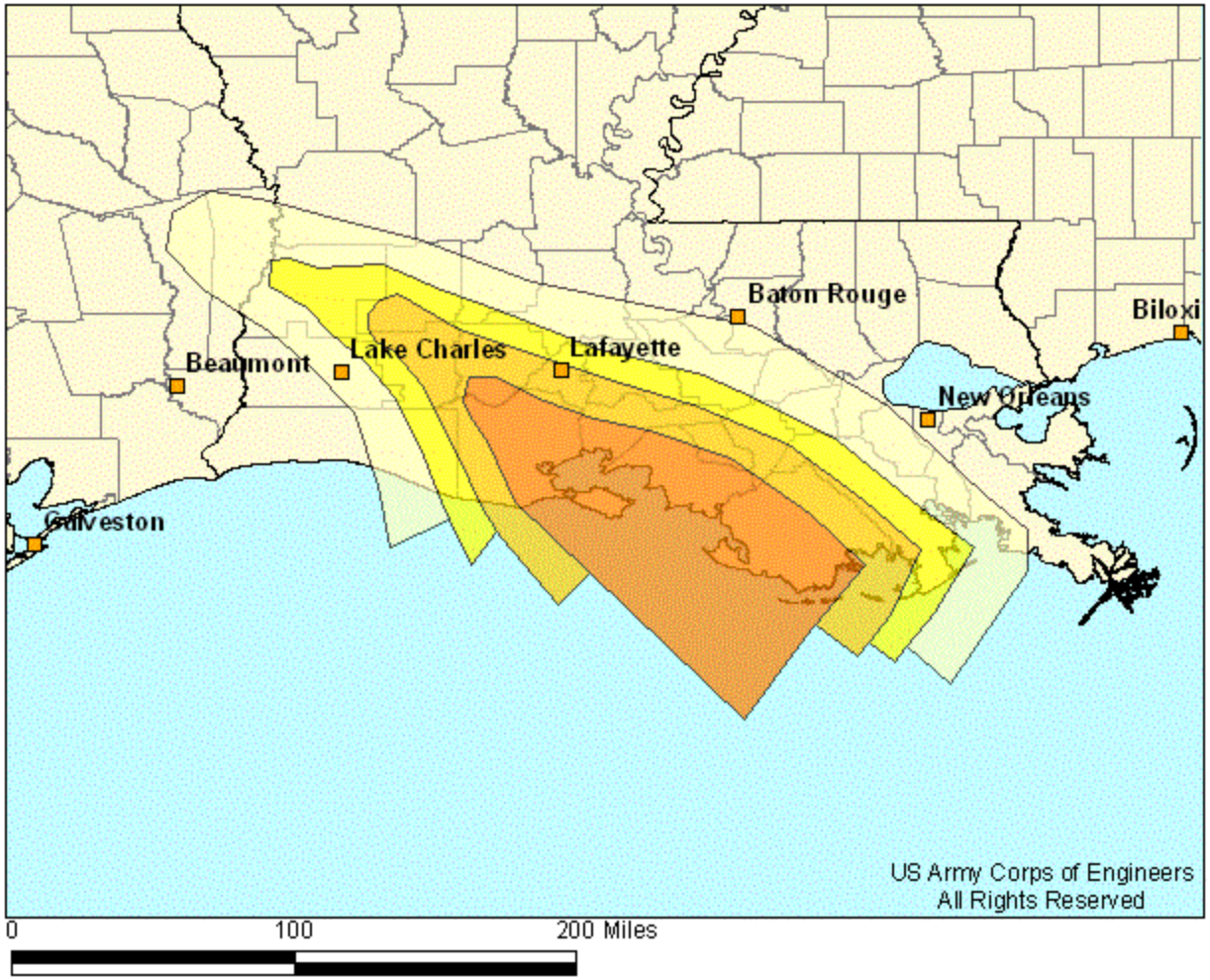
Hurricane Gustav Projected Damage Areas

US Army Corps of Engineers

Landfall Expected In About 75 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 3 storm making landfall south of Lafayette, LA.

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 3 storm making landfall south of Lafayette, LA. These projections are based on information from the NHC (0830 EDT 08/30/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

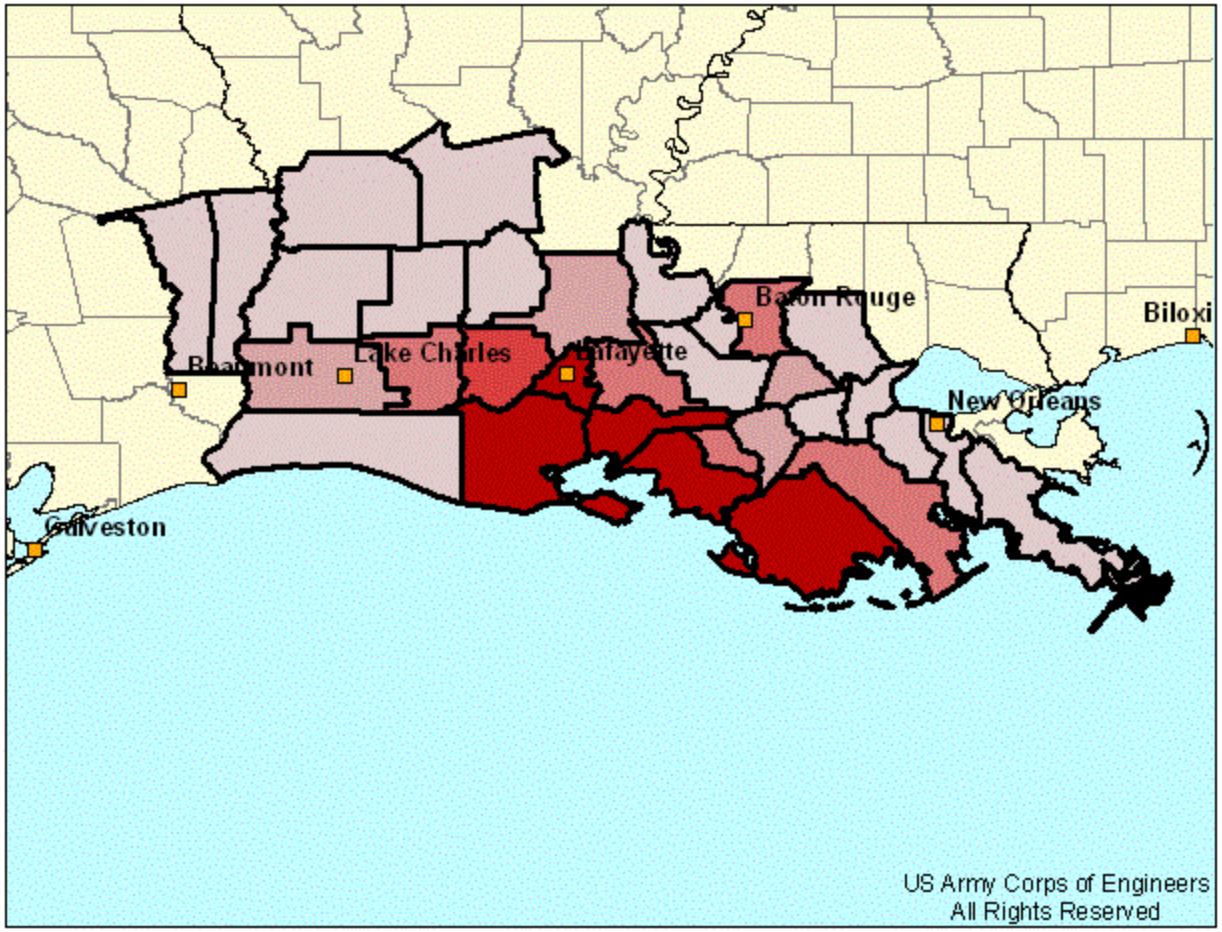
Hurricane Gustav Projected Damage Areas	
Generated By: Siemsen, LRL 0900 EDT 08/30/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Gustav Debris Model

Landfall Expected In About **75** Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

Louisiana - 10,740,000 Yards
Texas - 55,000 Yards

Model results per County on following page

This model is based on a Category 3 storm making landfall south of Lafayette, LA.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall south of Lafayette, LA. These projections are based on information from the NHC (0830 EDT 08/30/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Gustav Debris Model	
Generated By: Siemsen, LRL 0900 EDT 08/30/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Gustav Debris Model

Landfall Expected In About 75 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Louisiana		Acadia	605,000
		Allen	100,000
		Ascension	101,000
		Assumption	156,000
		Beauregard	81,000
		Calcasieu	201,000
		Cameron	13,000
		East Baton Rouge	306,000
		Evangeline	37,000
		Iberia	1,007,000
		Iberville	43,000
		Jefferson	17,000
		Jefferson Davis	318,000
		Lafayette	1,726,000
		Lafourche	483,000
		Livingston	< 1,000
		Plaquemines	3,000
		Pointe Coupee	5,000
		Rapides	< 1,000
		St Charles	53,000
		St James	24,000
		St John the Baptist	47,000
		St Landry	149,000
		St Martin	258,000
		St Mary	1,661,000
		Terrebonne	1,527,000
		Vermilion	1,781,000
		Vernon	16,000
		West Baton Rouge	22,000
Louisiana	10,740,000		

State	Yards per State	County	Yards per County
Texas		Jasper	33,000
		Newton	22,000
Texas	55,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Gustav Debris Model

Generated By:
Siemsen, LRL 0900 EDT 08/30/2008

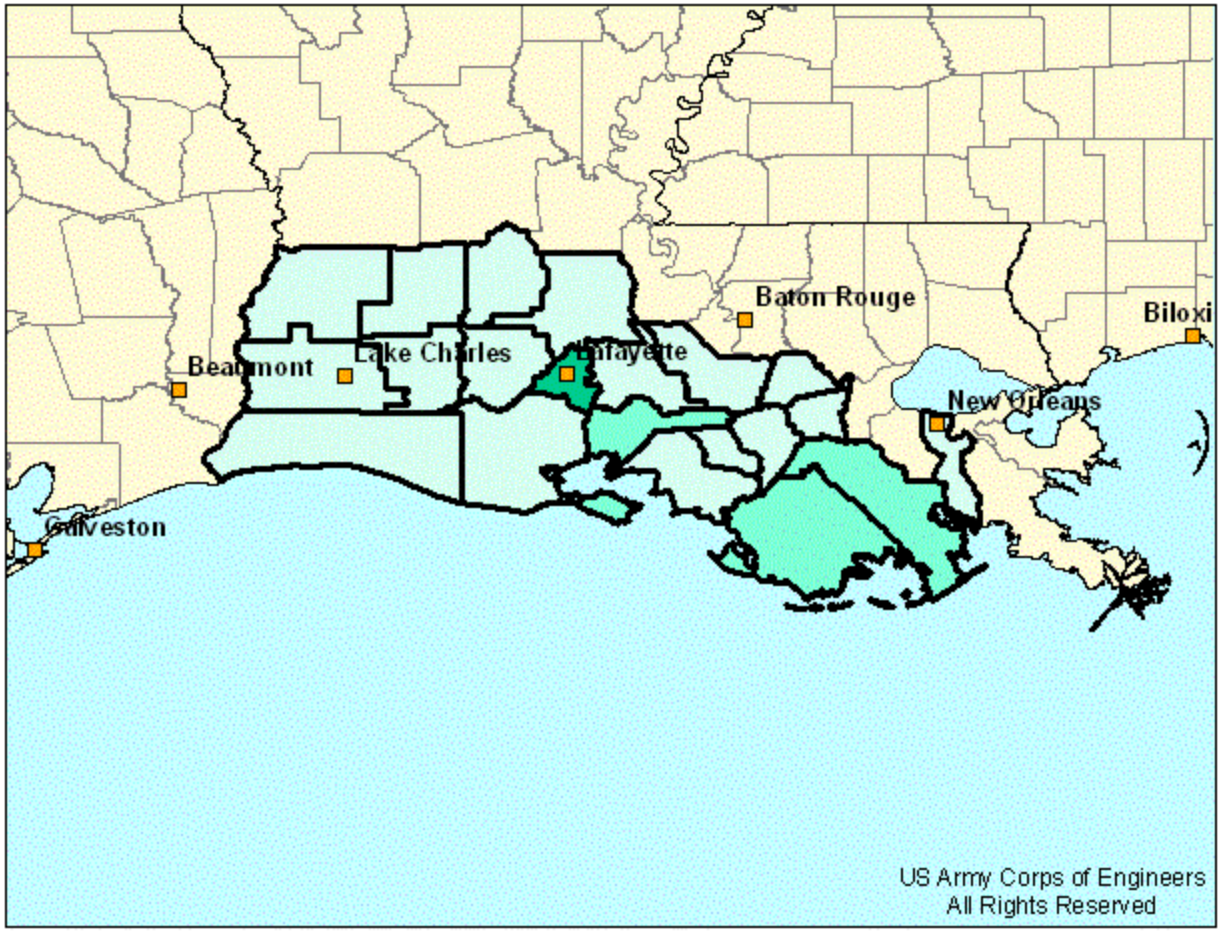
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Gustav Commodities Model

Landfall Expected In About **75** Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three
Louisiana – 15/30/59 Truckloads

Model results per County on following page

This model is based on a Category 3 storm making landfall south of Lafayette, LA.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall south of Lafayette, LA. These projections are based on information from the NHC ***(0830 EDT 08/30/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Gustav Commodities Model	
Generated By: Siemsen, LRL 0900 EDT 08/30/2008	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane Gustav Commodities Model

Landfall Expected In About **75** Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Louisiana		Acadia	4
		Allen	1
		Ascension	1
		Assumption	2
		Beauregard	1
		Calcasieu	1
		Cameron	1
		Evangeline	1
		Iberia	5
		Iberville	1
		Jefferson	1
		Jefferson Davis	2
		Lafayette	12
		Lafourche	6
		St James	1
		St Landry	2
		St Martin	3
		St Mary	3
		Terrebonne	7
		Vermilion	4
Louisiana	59		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Gustav Commodities Model

Generated By:
Siemsen, LRL 0900 EDT 08/30/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Gustav Temporary Roofing Model

Landfall Expected In About 75 Hours

For Planning Purposes Only!

Post Landfall Temporary Roofing Model Results

Louisiana - 18,100

Model results per County on following page

This model is based on a Category 3 storm making landfall south of Lafayette, LA.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall south of Lafayette, LA. These projections are based on information from the NHC (0830 EDT 08/30/2008) forecast. Temporary roofing is based on 3% in CAT 1, 6% in CAT 2 and 11% in CAT 3.

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Gustav Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 6 of 13

US Army Corps of Engineers

Hurricane Gustav Temporary Roofing Model

Landfall Expected In About 75 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Louisiana		Acadia	1,300
		Allen	200
		Ascension	< 100
		Assumption	400
		Beauregard	200
		Calcasieu	< 100
		Cameron	< 100
		Evangeline	< 100
		Iberia	1,900
		Iberville	< 100
		Jefferson	< 100
		Jefferson Davis	700
		Lafayette	4,200
		Lafourche	1,300
		St James	< 100
		St Landry	300
		St Martin	700
		St Mary	2,100
		Terrebonne	2,600
		Vermilion	2,200
Louisiana	18,100		

Temporary roofing is based on 3% in CAT 1, 6% in CAT 2 and 11% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Gustav Roofing Model

Generated By:
Siemsen, LRL 0900 EDT 08/30/2008

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Gustav Temporary Housing Model

US Army Corps of Engineers

Landfall Expected In About 75 Hours

For Planning Purposes Only!

Post Landfall Temporary Housing Model Results

Louisiana - 5,500

Model results per County on following page

This model is based on a Category 3 storm making landfall south of Lafayette, LA.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall south of Lafayette, LA. These projections are based on information from the NHC (0830 EDT 08/30/2008) forecast. Temporary housing is based on 2% in CAT 2 and 4% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Gustav Housing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane Gustav Temporary Housing Model

Landfall Expected In About 75 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Louisiana		Acadia	400
		Allen	< 100
		Assumption	< 100
		Beauregard	< 100
		Cameron	< 100
		Iberia	700
		Jefferson Davis	200
		Lafayette	1,300
		Lafourche	200
		St Martin	200
		St Mary	800
		Terrebonne	900
		Vermilion	800
Louisiana	5,500		

Temporary housing is based on 2% in CAT 2 and 4% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Gustav Housing Model

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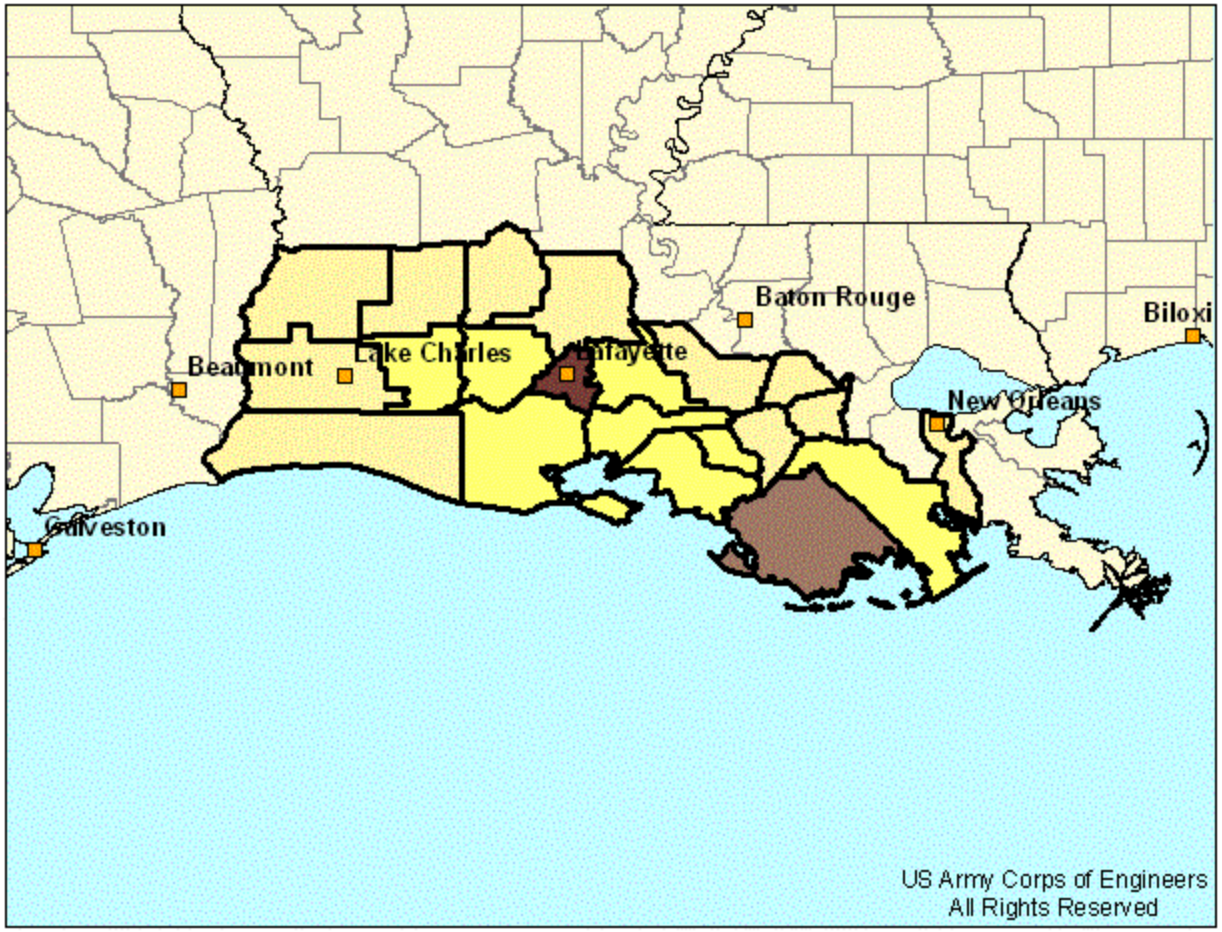
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Gustav Population Model

Landfall Expected In About **75** Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Louisiana - 816,000

Model results per County on following page

This model is based on a Category 3 storm making landfall south of Lafayette, LA.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall south of Lafayette, LA. These projections are based on information from the NHC (0830 EDT 08/30/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Gustav Population Model	
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Sources: HURREVAC LRL-DEBRIS	Page 10 of 13

US Army Corps of Engineers

Hurricane Gustav Population Model

Landfall Expected In About 75 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Louisiana		Acadia	60,000
		Allen	13,000
		Ascension	< 1,000
		Assumption	23,000
		Beauregard	13,000
		Calcasieu	8,000
		Cameron	2,000
		Evangeline	3,000
		Iberia	76,000
		Iberville	6,000
		Jefferson	< 1,000
		Jefferson Davis	31,000
		Lafayette	205,000
		Lafourche	89,000
		St James	2,000
		St Landry	22,000
		St Martin	46,000
		St Mary	52,000
		Terrebonne	109,000
		Vermilion	56,000
Louisiana	816,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

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Hurricane Gustav Population Model

Generated By:
Siemsen, LRL 0900 EDT 08/30/2008

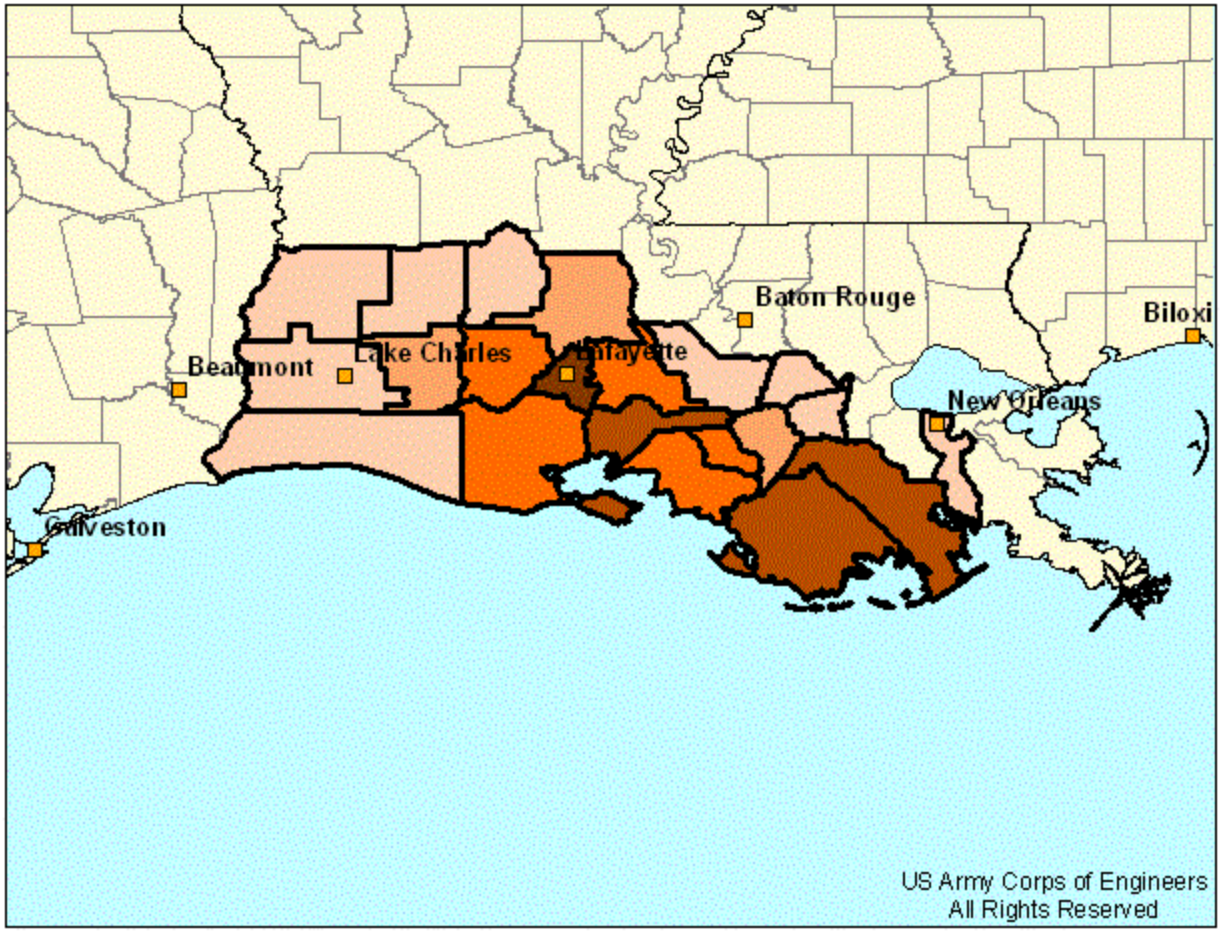
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Gustav Households Model

Landfall Expected In About 75 Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Louisiana - 296,000

Model results per County on following page

This model is based on a Category 3 storm making landfall south of Lafayette, LA.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall south of Lafayette, LA. These projections are based on information from the NHC (0830 EDT 08/30/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

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Hurricane Gustav Households Model	
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Sources: HURREVAC LRL-DEBRIS	Page 12 of 13

US Army Corps of Engineers

Hurricane Gustav Households Model

Landfall Expected In About 75 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Louisiana		Acadia	22,000
		Allen	4,000
		Ascension	< 1,000
		Assumption	8,000
		Beauregard	5,000
		Calcasieu	3,000
		Cameron	< 1,000
		Evangeline	< 1,000
		Iberia	27,000
		Iberville	2,000
		Jefferson	< 1,000
		Jefferson Davis	12,000
		Lafayette	78,000
		Lafourche	32,000
		St James	< 1,000
		St Landry	8,000
		St Martin	17,000
		St Mary	19,000
		Terrebonne	38,000
		Vermilion	21,000
Louisiana	296,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

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Hurricane Gustav Households Model

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